

The Jill Dando Institute of Crime Science

2nd National Crime Mapping Conference 2004

Tuesday 9th March 16:10

Parallel seminars #2

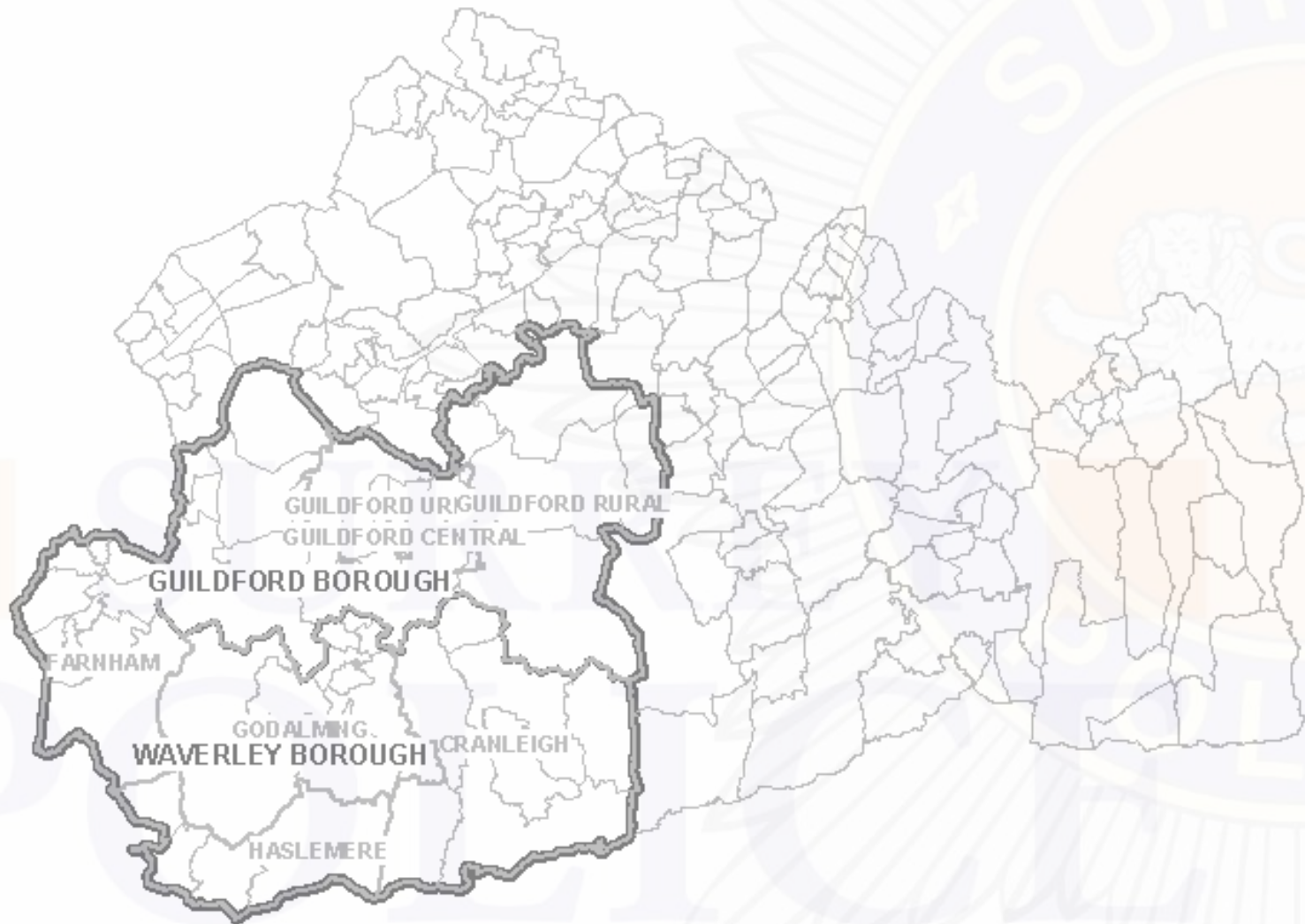
Successes in the field:

Crime mapping, information sharing and
problem-solving

The use of GIS in an intelligence-led
vehicle crime reduction operation

Jonathan Sherriff, Intelligence Analyst, Surrey Police

Mapinfo – GIS – Surrey County



Mapinfo – GIS – C Division

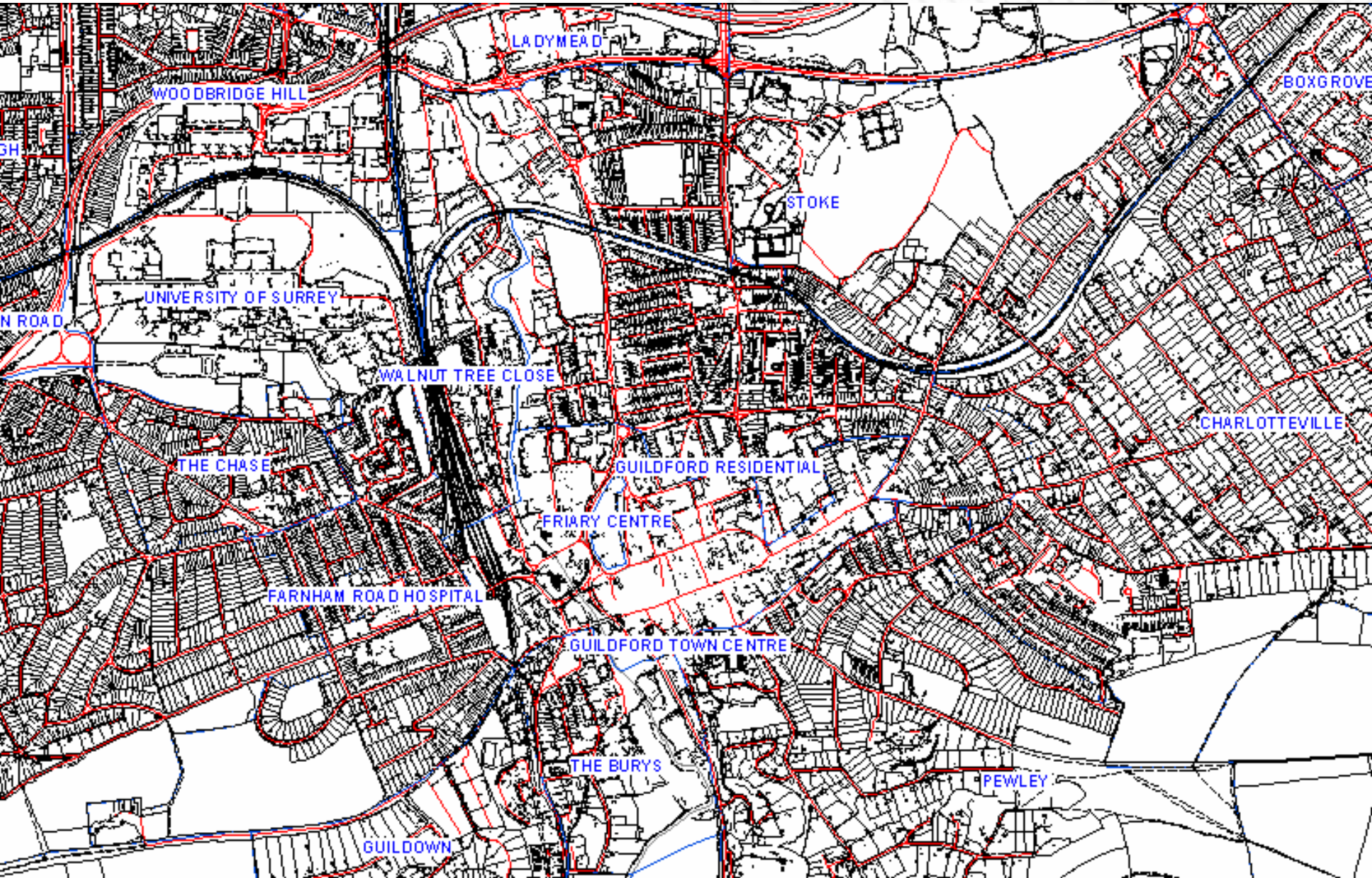


Mapinfo – GIS – Guildford Urban

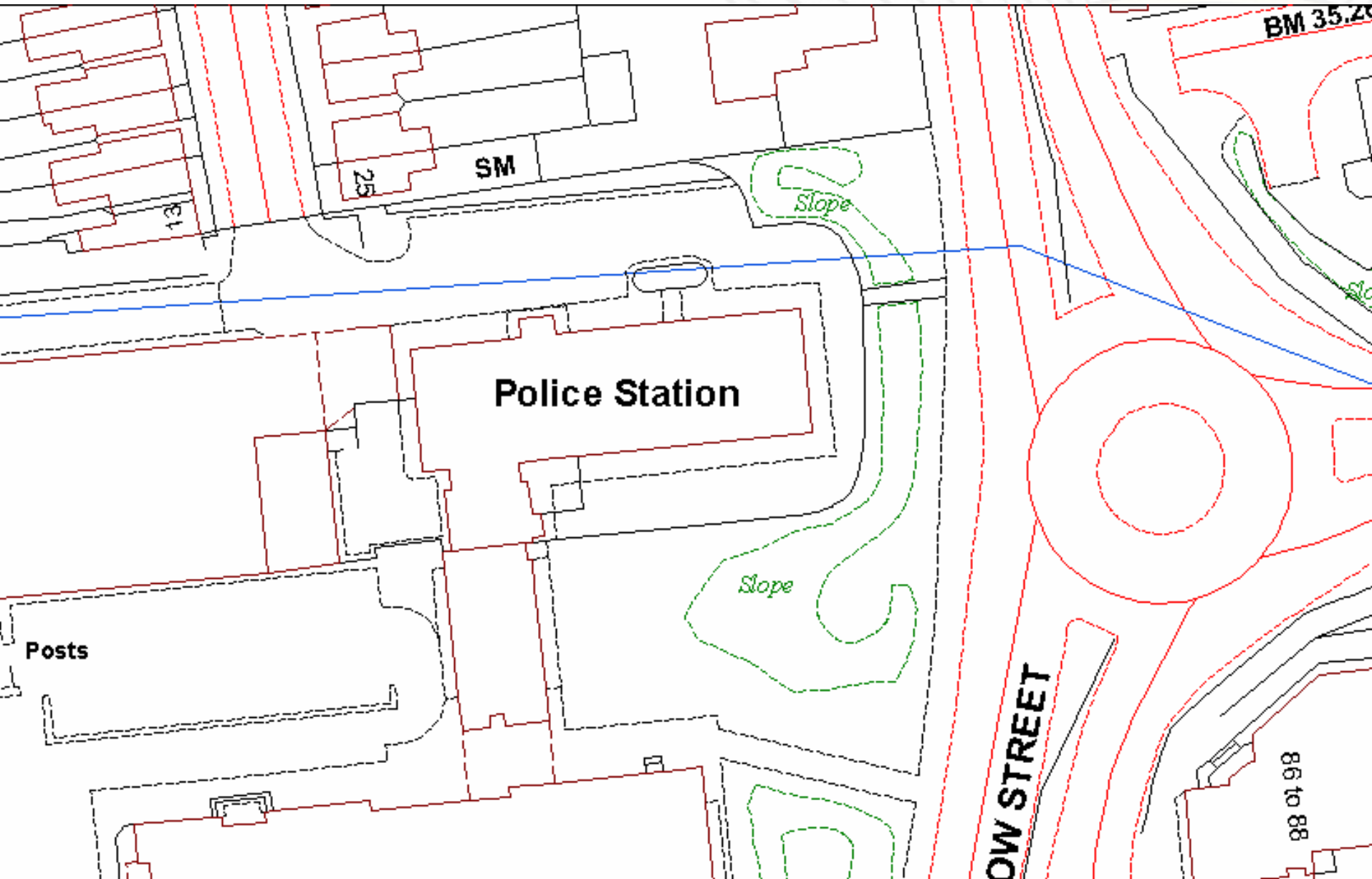


GUILDFORD BOROUGH

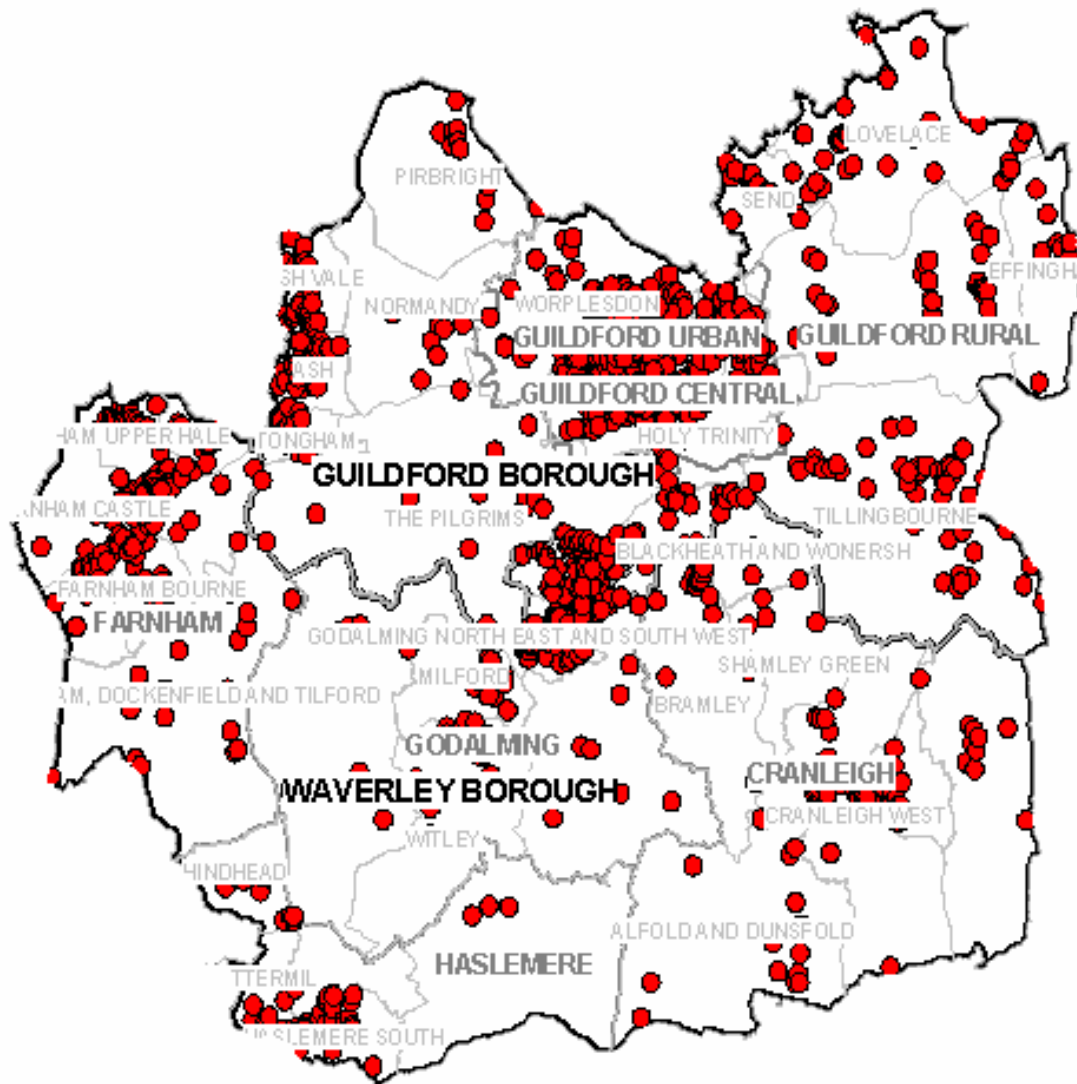
Mapinfo – GIS – Guildford Central



Mapinfo – GIS – Guildford Divisional Police Station

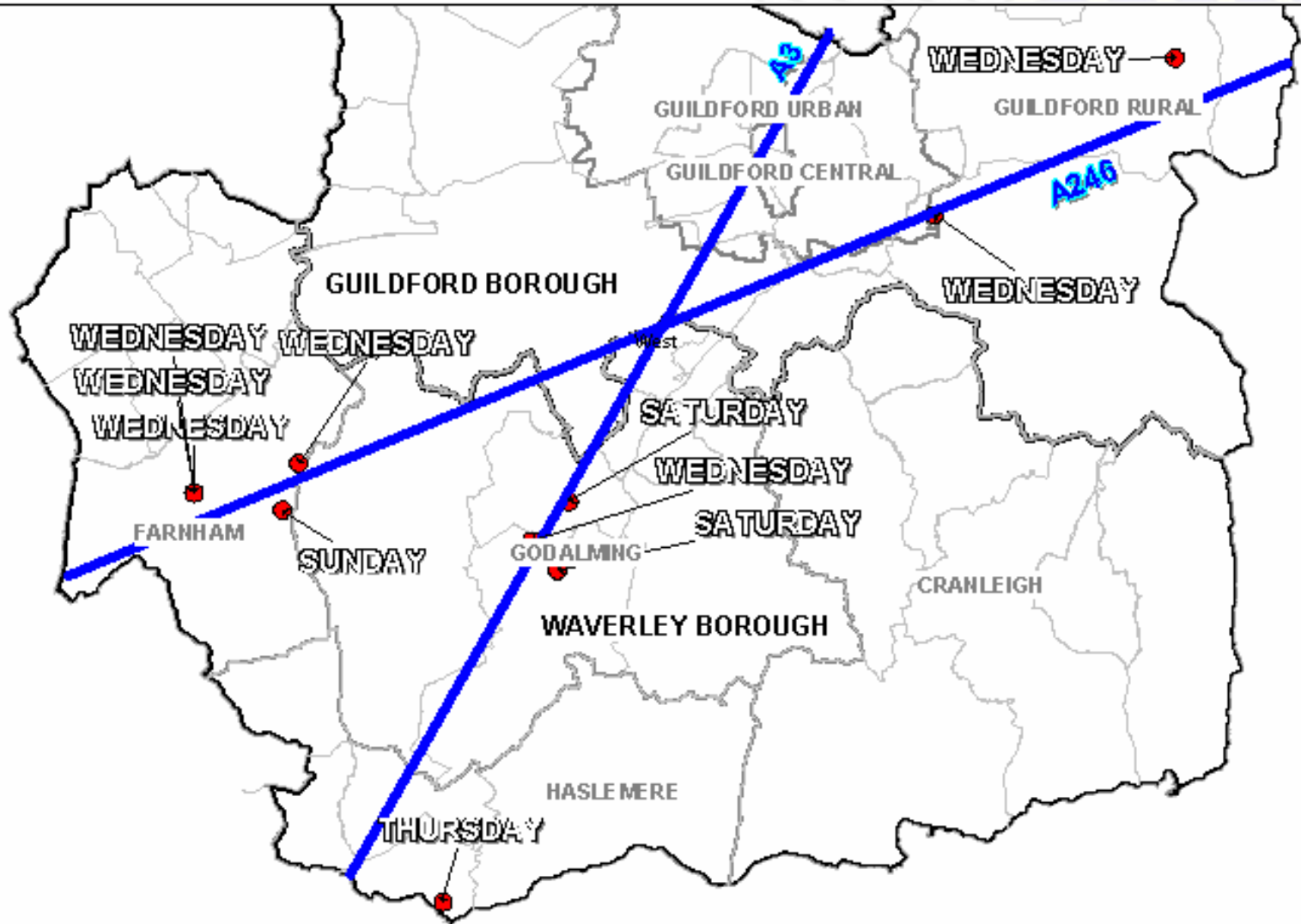


Mapinfo – GIS – Plotting autocrime



Tasking example:

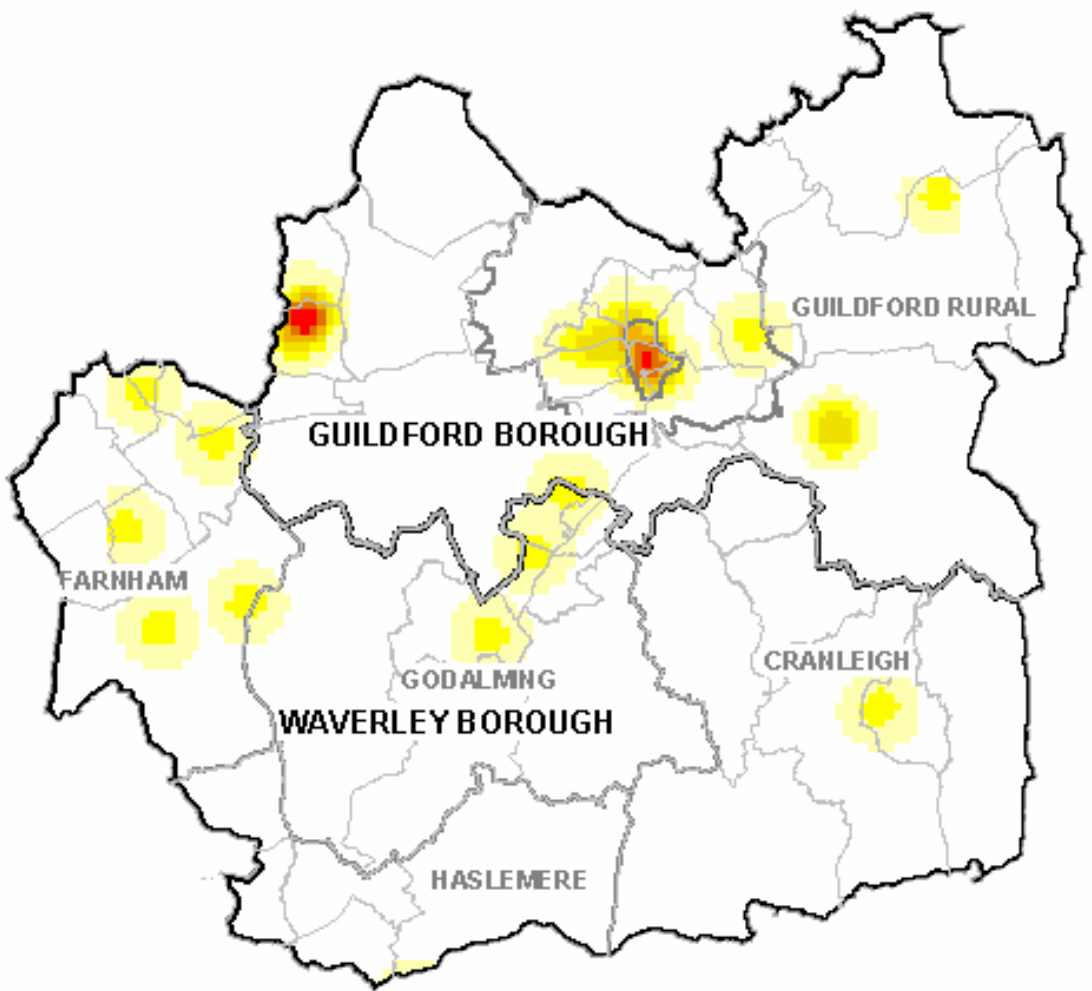
Beauty spot car park thefts – Mainly Wednesdays, but always 12:00 – 13:45



Mapinfo – GIS – Hotspot Detective

Hotspot for autocrime
from 05/02/03 to yesterday

- Highest intensity
- Lower intensity



Operation Gallant

Target: Reduce Autocrime by 20%

Timeframe: 3 months - February to April 2003

Team: Detective Inspector, 2 x Crime Prevention Officers ,
Communications/Media coordinator, Intelligence Analyst

£50,000 contribution from the Home Office Police Standards Unit

The Toolbox

Media Campaign	(Education/Deterrence)	
'Victim' Letter drops	(Education/Deterrence)	
'Offender' Letter drops	(Deterrence)	
Road Shows	(Education/Deterrence/Target Hardening)	
CPO advice & Hardware	(Education/Deterrence/Target Hardening)	
TIC's		(Detection)
Fastrack		(Detection)
Premium Service		(Detection)
Repeat Victims	(Booby-traps)	(Detection)
2 x K-9 Units		(Detection)

-What's at

RISK

-Where's the

VS.

-What's the

THREAT

-Where's the



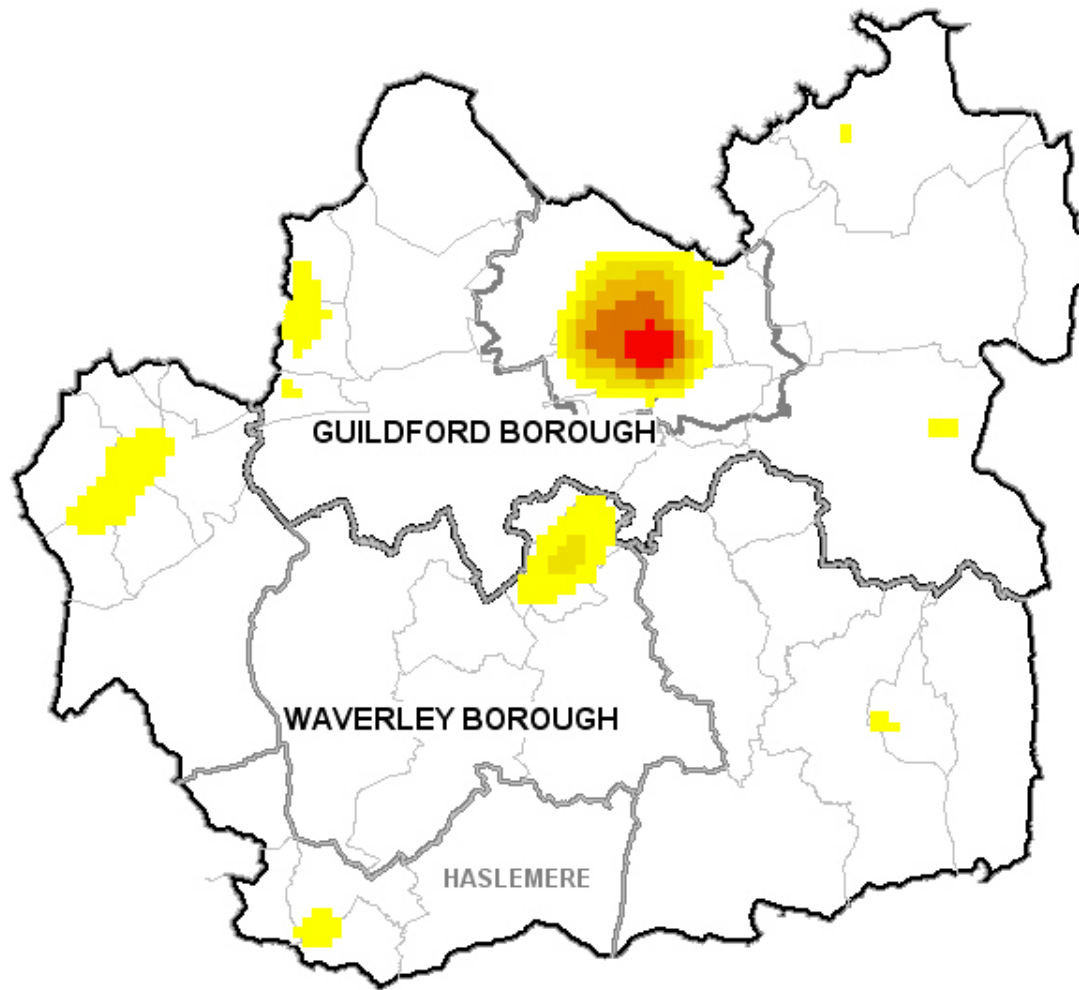
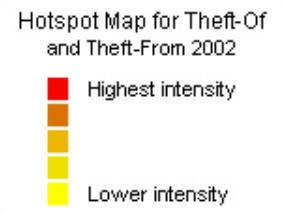
Type	FROM		Type	OF	
Count of VehicleModel			Count of VehicleModel		
Vehicle Make	VehicleModel	Total	Vehicle Make	VehicleModel	Total
Ford	Fiesta	61	Ford	Escort	47
	Escort	56		Fiesta	42
	Transit	50		Transit	21
Vauxhall	Astra	59	Vauxhall	Astra	76
	Nova	28		Nova	32
	Cavalier	19		Cavalier	24
Volkswagen	Golf	72	Volkswagen	Golf	12
	Polo	27		Polo	4
	Transporter	8		Passat	4

Pre-1985 Models

Most targeted vehicles in C division 2002

-The Risk

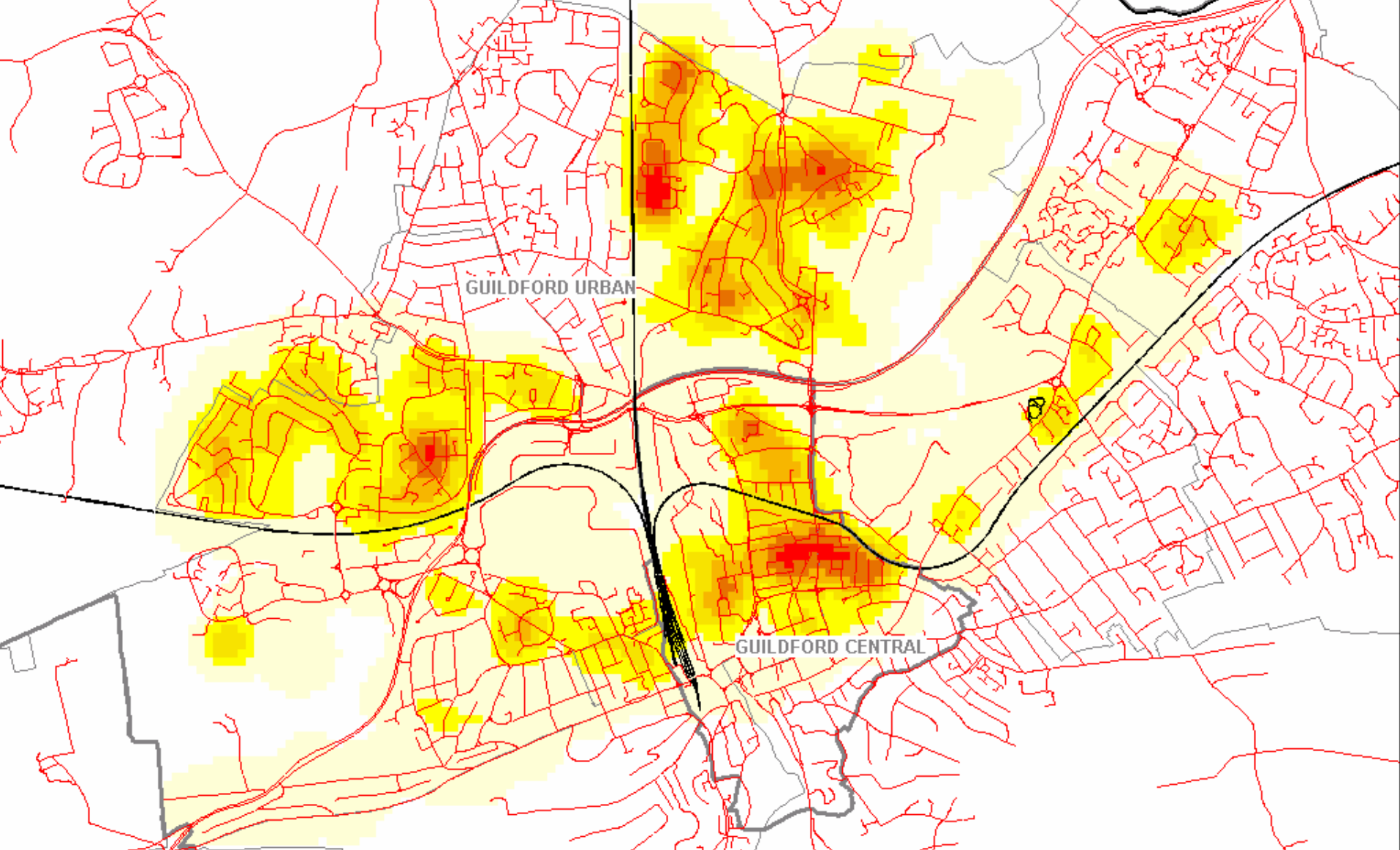




The most targeted areas in the last 12 months.

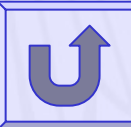
(Note: Gomshall selected due to disproportionate impact)

15 Roadshow locations & media campaigns



Density of “At-Risk” vehicles in Guildford – The “Sweet Spot”

4,500 PNC / VODS Letter drop to owners

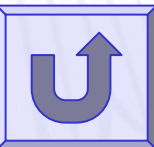


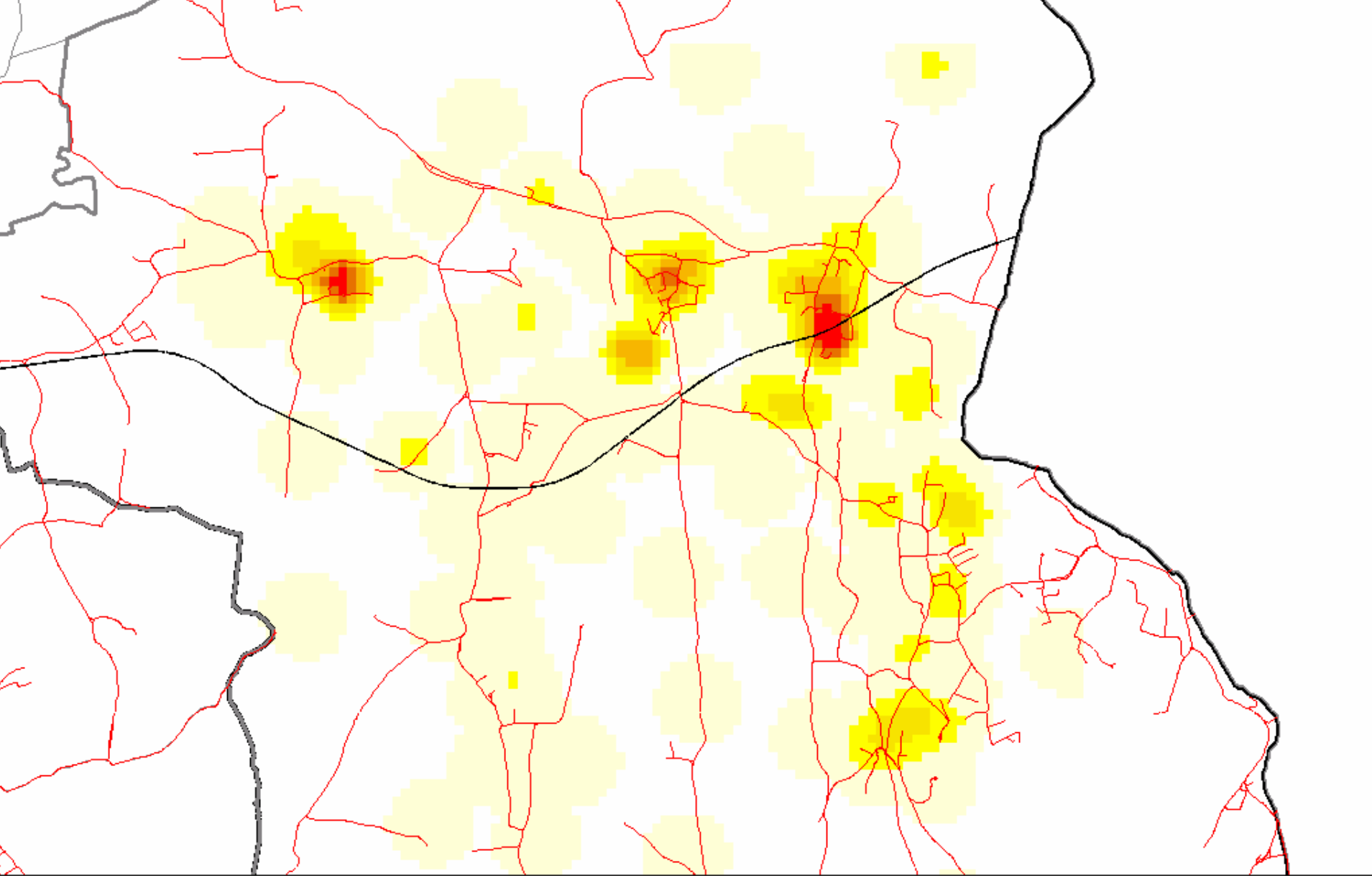
Name	Of	From	Grand Total
Offender A	5	3	8
Offender B	5	2	7
Offender C	4	1	5
Offender D	3	1	4
Offender E	2	2	4
Offender F	2	2	4
Offender G	4		4
Offender H	3		3
Offender I	2	1	3
Offender J		3	3
Offender K	3		3
Offender L	1	2	3
Offender M	1	2	3
Offender N	3		3
Offender O	3		3
Offender P	3		3

Top Autocrimers for 2002

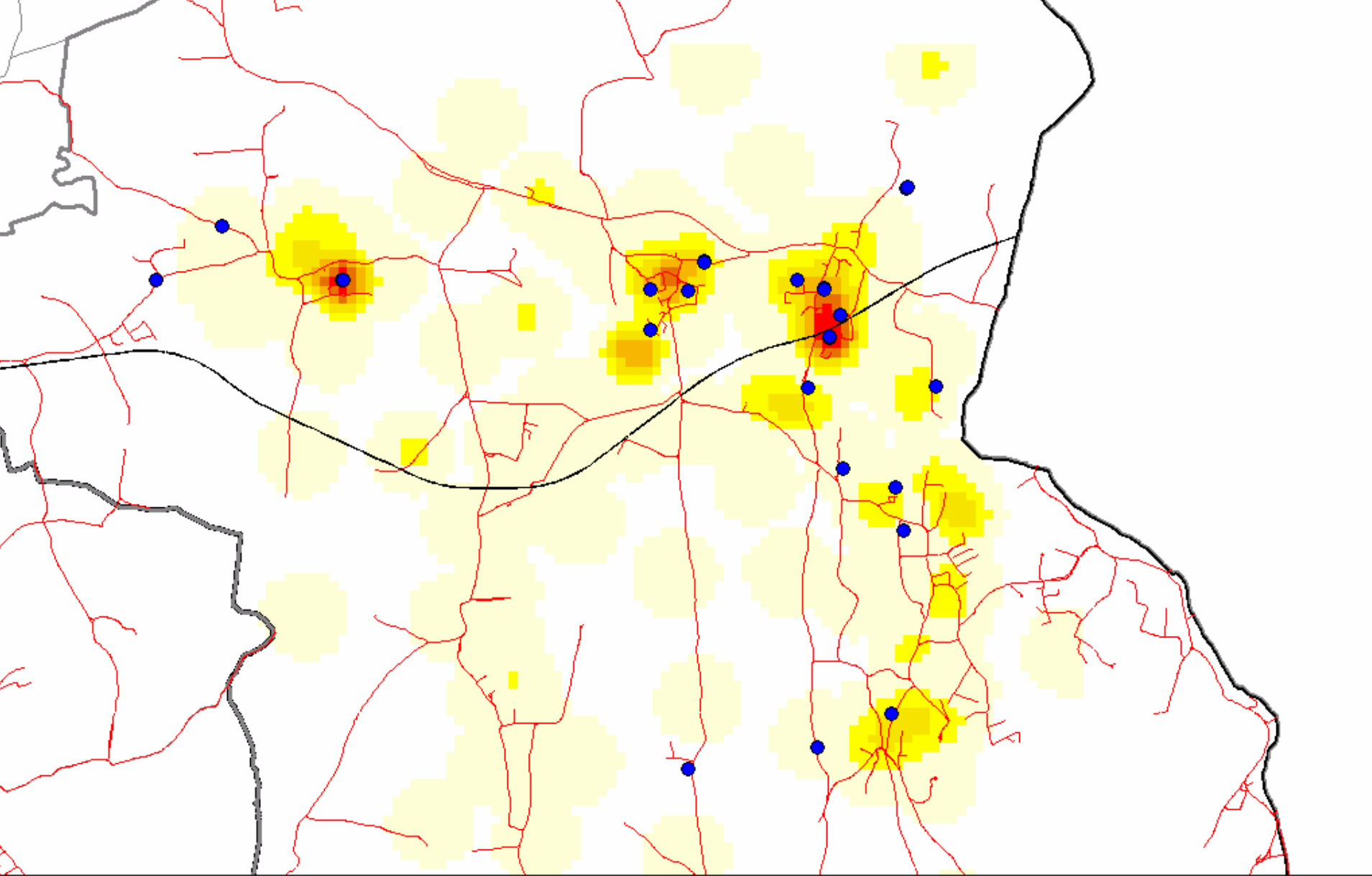
-The Threat

-”Personally addressed information letters”

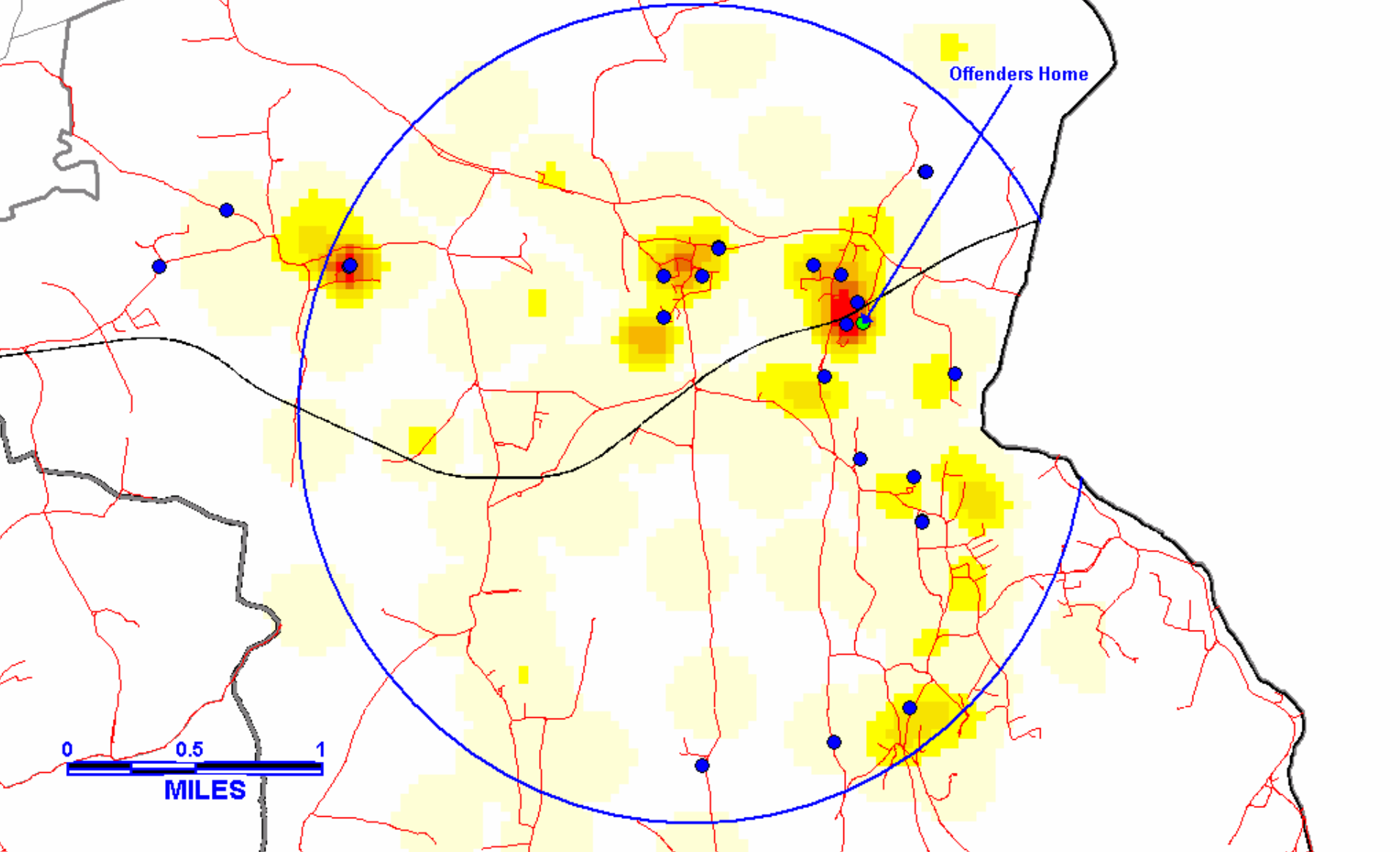




Density of "At-Risk" vehicles in Gomshall – The "Sweet Spot"



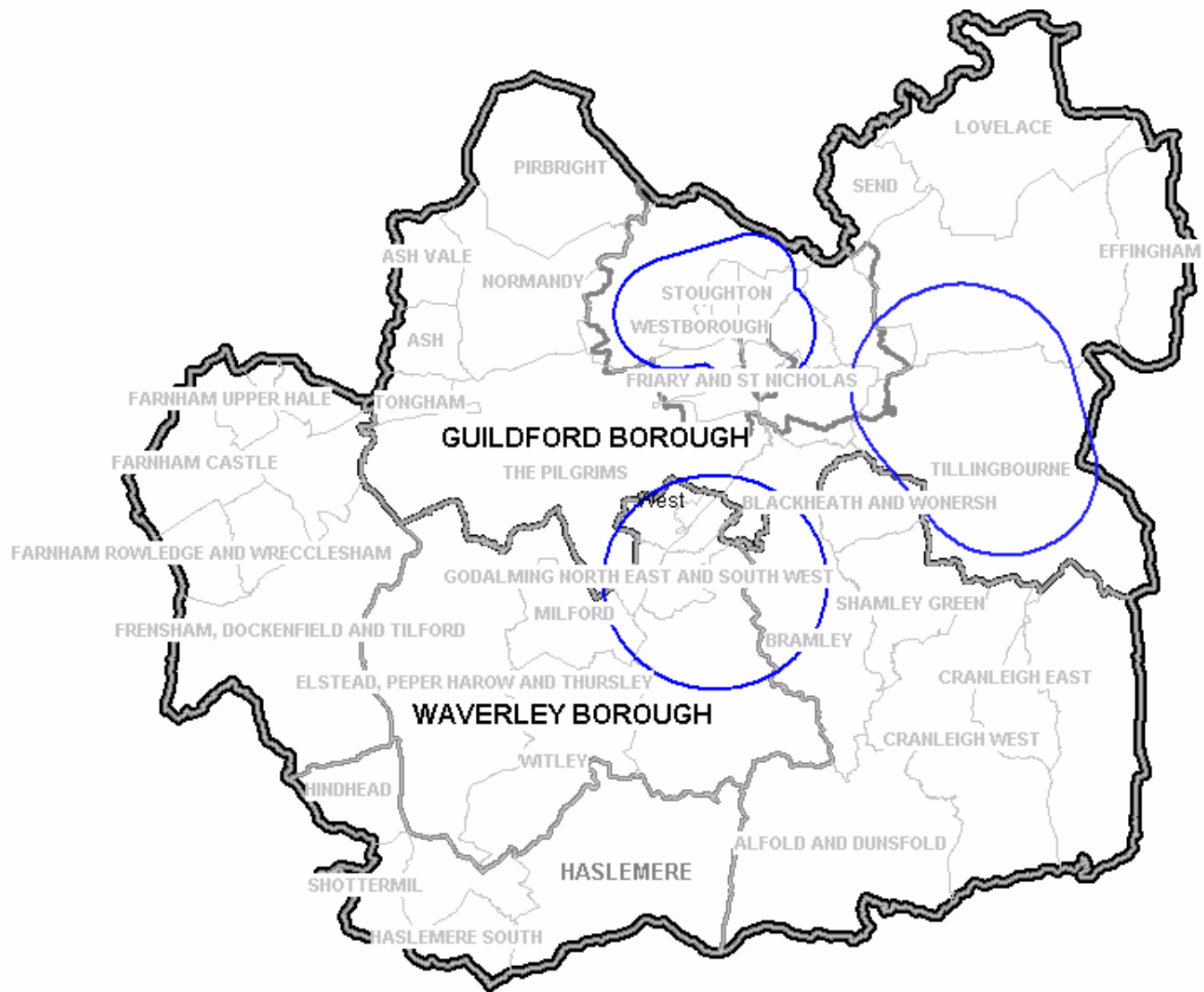
Locations of offences in Gomshall – The Threat meets the Risk



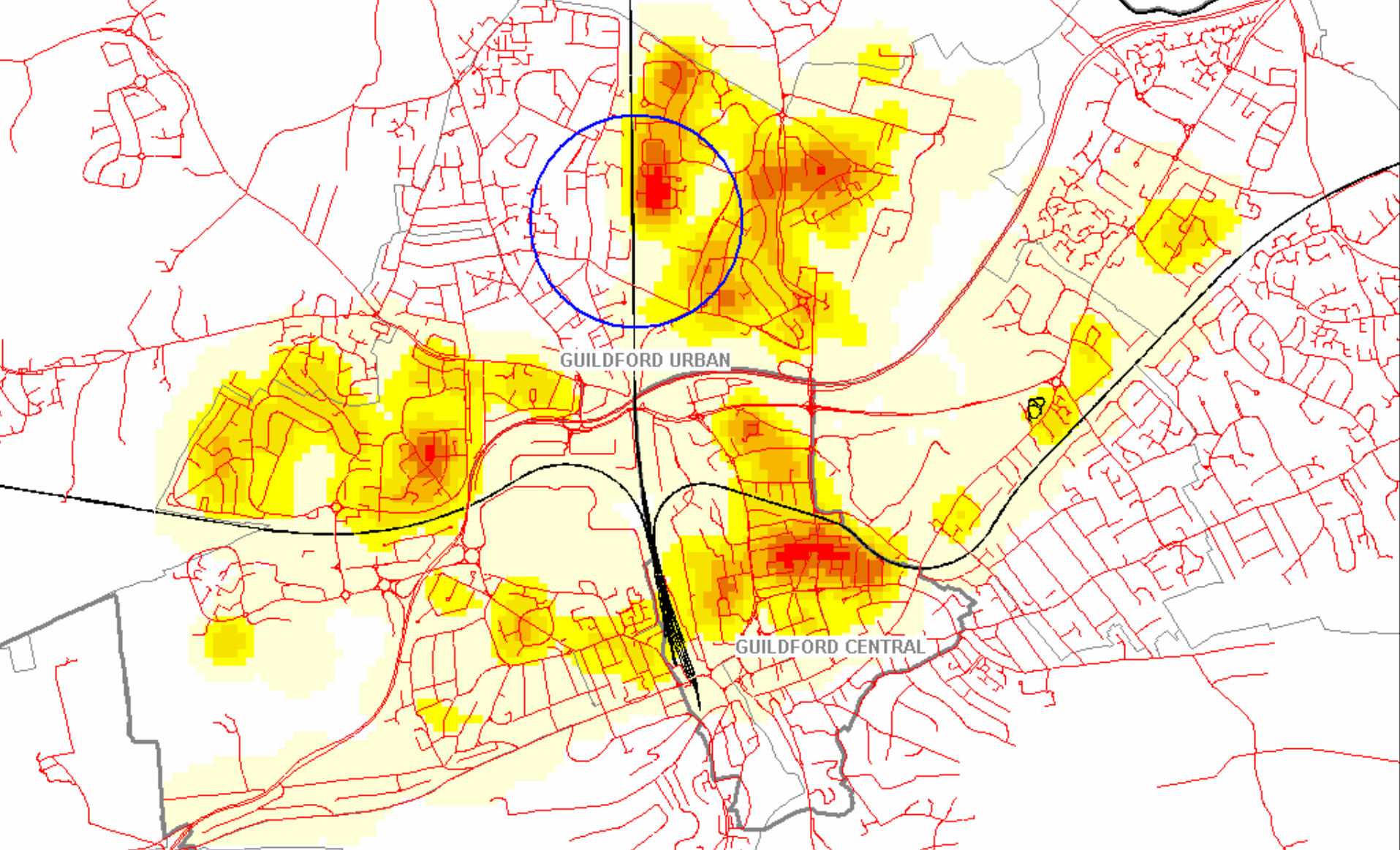
Defining an offenders "Footprint"

Advantages – fairly clear indicator of an individual target's degree of activity if offences continue in this area.

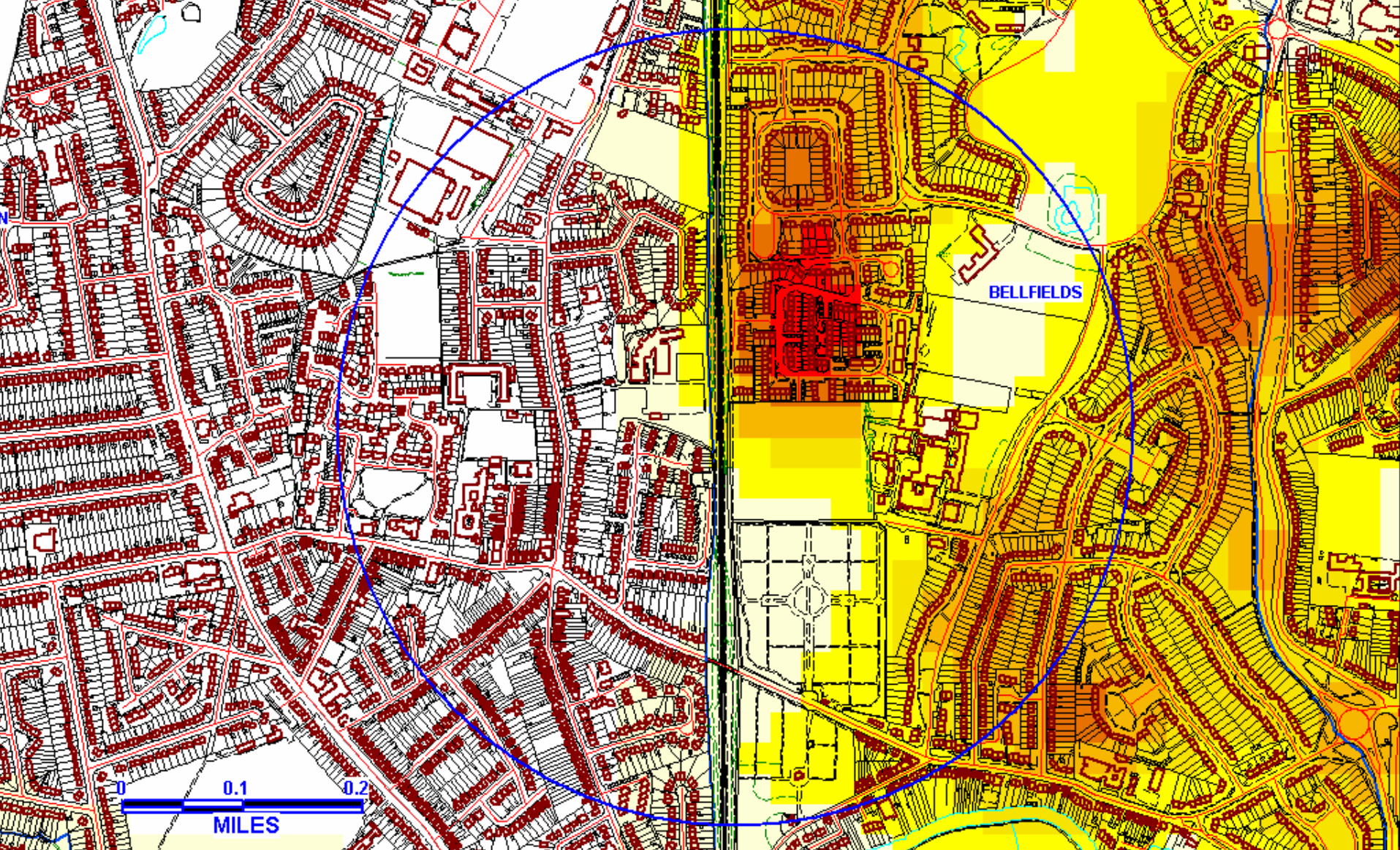
Disadvantages – Large area is difficult to patrol



Divisional Footprints



The area where 4 or more “Footprints” cross over
- High Threat area



High Threat meets High Risk – Urban environment

Advantages – smaller area is easier to patrol.

Disadvantages – Not clear which offender is active if offences occur in this area.

Daily Operation:

- Review of overnight autocrime and proposed offender or area.
- ‘Premium Service’ for offenders brought to custody.
- Fast track on forensics from crime scenes in footprint areas/intelligence.
- Monitoring for repeat victims & suitability of ‘booby-trap’ car-sitters.
- Intelligence review on top autocrimers for changes in circumstance.
- Monitoring of new hotspots for possible “At-Risk” locations – CPO advice.
- Maintenance of TIC lists.
- Targeting via 3 x daily briefing slides – Target or Location – ‘Microbeats’.
- Removal of officers from areas where offenders had been remanded.
- Updating of media on successes.

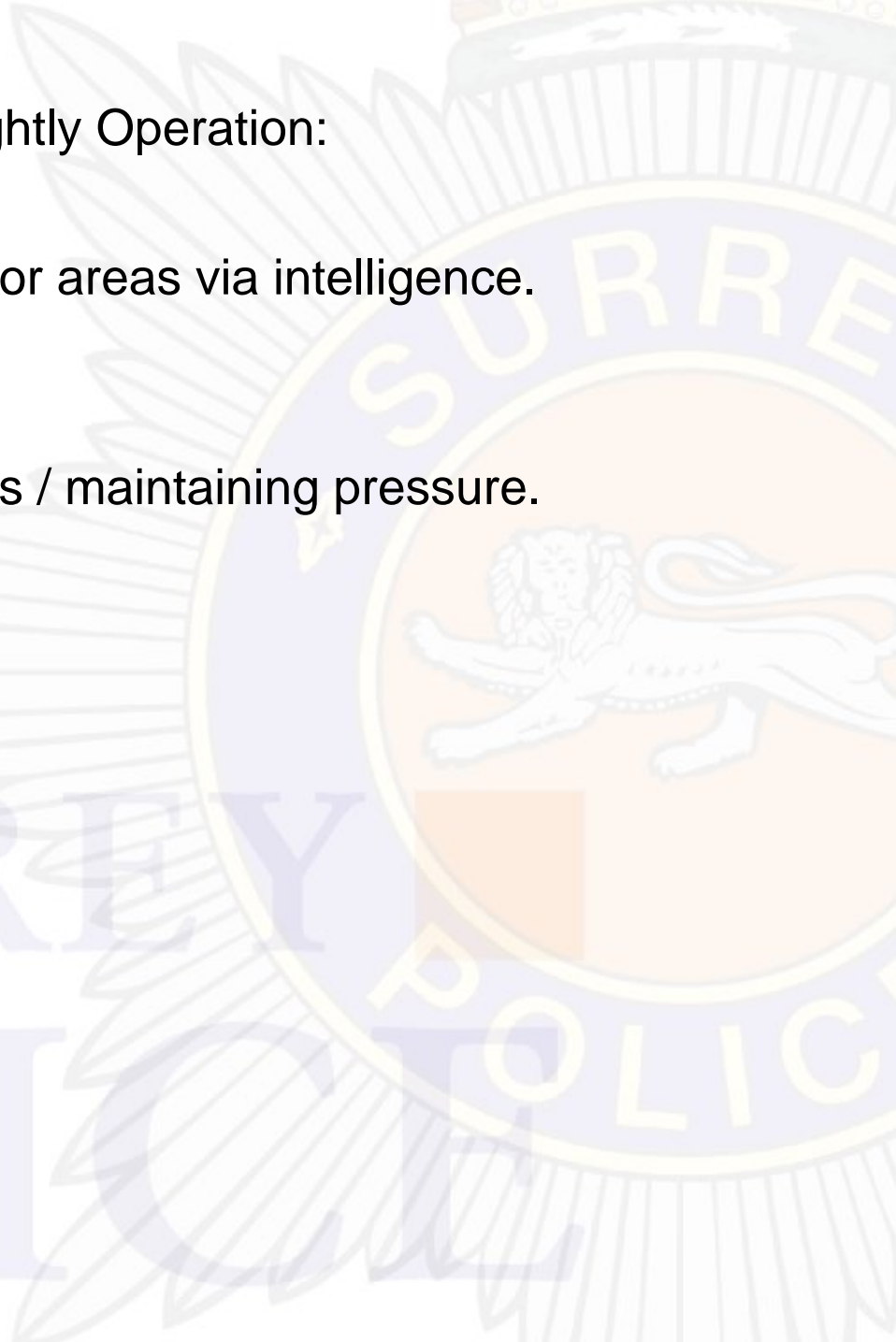
Weekly/Fortnightly Operation:

- Taskings via T&CG for new targets or areas via intelligence.
- Changes in hotspot activity.
- Congratulations to officers for results / maintaining pressure.
- Divisional Posters and Newsletters.
- Updated Media Campaign.



SURREY

POLICE





■ SURREY ■
POLICE

EVALUATION

Operation Gallant

A Surrey Police
Vehicle Crime Initiative

Findings:

- Policing activities directed in a more focused manner (T&CG process).
- 60% of at-risk cars took additional security measures.
- Feb - Apr 2003 saw 116 arrests of autocrimers.
- 17 offenders actively targeted amounted to 75 arrests.
- Apr 2002 / Apr 2003 ytd saw 17.3% decline in vehicle crime and a 40.6% detection rate (44 TIC's achieved from 3 targeted offenders).
- May - Jul 2003 vehicle crime reduced by 21.7% compared to same period last year (higher than original target of 20%).
- 1,200 people attended road shows.
- 4,500 letters sent out.
- Total cost of £185,000 to run the operation.
- Every £1 saved in terms of vehicle crime prevented, cost £1.17 to achieve.